

10037766 CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 10037766 on May 10, 2004

Original Classifications

10	379/52
4	381/314
2	181/135
2	181/136
2	181/230
2	320/103
2	340/574
2	381/324
2	381/328
2	600/25
2	704/276

Cross-Reference Classifications

5	381/330
4	381/312
3	181/136
3	379/52
3	381/322
3	381/328
2	181/129
2	181/258
2	320/DIG 26
2	340/825.19
2	379/67.1
2	379/90.01
2	379/93.15
2	381/313
2	381/321
2	381/60
2	600/25
2	600/28

Combined Classifications

13	379/52
5	181/136
5	381/314
5	381/328
5	381/330
4	381/312
4	381/322
4	600/25
3	381/321
3	381/324

10037766_CLS

3 704/276
2 181/129
2 181/135
2 181/230
2 181/258
2 320/103
2 320/DIG 26
2 340/574
2 340/825.19
2 351/158
2 375/377
2 379/67.1
2 379/90.01
2 379/93.15
2 381/313
2 381/327
2 381/60
2 600/28
2 704/205
2 704/271

10037766_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10037766 on May 10, 2004

13	379/52	(10 OR, 3 XR)
	Class 379 :	TELEPHONIC COMMUNICATIONS
	379/52	INCLUDING AID FOR HANDICAPPED USER (E.G., VISUAL, TACTILE, HEARING AID COUPLING)
5	181/136	(2 OR, 3 XR)
	Class 181 :	ACOUSTICS
	181/126	ANATOMIC OR PROSTHETIC RELATION
	181/128	.Ear and mouth
	181/136	..Deflector type
5	381/314	(4 OR, 1 XR)
	Class 381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/312	HEARING AIDS, ELECTRICAL
	381/314	.Programming interface circuitry
5	381/328	(2 OR, 3 XR)
	Class 381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/312	HEARING AIDS, ELECTRICAL
	381/322	.Specified casing or housing
	381/328	..Ear insert
5	381/330	(0 OR, 5 XR)
	Class 381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/312	HEARING AIDS, ELECTRICAL
	381/322	.Specified casing or housing
	381/330	..Hook over ear
4	381/312	(0 OR, 4 XR)
	Class 381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/312	HEARING AIDS, ELECTRICAL
4	381/322	(1 OR, 3 XR)
	Class 381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/312	HEARING AIDS, ELECTRICAL
	381/322	.Specified casing or housing
4	600/25	(2 OR, 2 XR)

10037766_CLSTITLES

Class 600 : SURGERY
600/25 SURGICALLY IMPLANTED VIBRATORY HEARING AID

3 381/321 (1 OR, 2 XR)

Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES

381/312 HEARING AIDS, ELECTRICAL
381/321 .Wideband gain control

3 381/324 (2 OR, 1 XR)

Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES

381/312 HEARING AIDS, ELECTRICAL
381/322 .Specified casing or housing
381/324 ..Component mounting

3 704/276 (2 OR, 1 XR)

Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/270 .Application
704/276 ..Pattern display

2 181/129 (0 OR, 2 XR)

Class 181 : ACOUSTICS
181/126 ANATOMIC OR PROSTHETIC RELATION
181/128 .Ear and mouth
181/129 ..Ear

2 181/135 (2 OR, 0 XR)

Class 181 : ACOUSTICS
181/126 ANATOMIC OR PROSTHETIC RELATION
181/128 .Ear and mouth
181/130 ..Auditory canal insert
181/135 ...Ear insert

2 181/230 (2 OR, 0 XR)

Class 181 : ACOUSTICS
181/175 SOUND-MODIFYING MEANS
181/212 .Muffler, fluid conducting type
181/230 ..Pneumatic type motor (e.g., air hammer, etc.)

2 181/258 (0 OR, 2 XR)

Class 181 : ACOUSTICS

10037766 CLSTITLES

181/175 SOUND-MODIFYING MEANS

181/212 .Muffler, fluid conducting type

181/256 ..With sound absorbing material

181/258 ...Pervious material interposed in flow path

2 320/103 (2 OR, 0 XR)

Class 320 : ELECTRICITY: BATTERY OR CAPACITOR CHARGING
OR DISCHARGING

320/103 ONE CELL OR BATTERY CHARGES ANOTHER

2 320/DIG 26 (0 OR, 2 XR)

Class 320 : ELECTRICITY: BATTERY OR CAPACITOR CHARGING
OR DISCHARGING

320/DIG 26 BUTTON OR HEARING AID TYPE

2 340/574 (2 OR, 0 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/500 CONDITION RESPONSIVE INDICATING SYSTEM

340/540 .Specific condition

340/573.1 ..Human or animal

340/574 ...Holdup

2 340/825.19 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/825 SELECTIVE

340/825.19 .Communication or control for the handicapped

2 351/158 (1 OR, 1 XR)

Class 351 : OPTICS: EYE EXAMINING, VISION TESTING AND
CORRECTING

351/41 SPECTACLES AND EYEGLASSES

351/158 .Combined

2 375/377 (1 OR, 1 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/377 MISCELLANEOUS

2 379/67.1 (0 OR, 2 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

2 379/90.01 (0 OR, 2 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE
ELECTRICAL SYSTEM OR SIGNALLING (E.G., COMP

OSITE)

10037766_CLSTITLES

2 379/93.15 (0 OR, 2 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE
 ELECTRICAL SYSTEM OR SIGNALLING (E.G., C
 OMPOSITE)
 379/93.01 .Having transmission of a digital message
 signal over a telephone line
 379/93.14 ..Having switching station
 379/93.15 ...Having format conversion

2 381/313 (0 OR, 2 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/312 HEARING AIDS, ELECTRICAL
 381/313 .Directional

2 381/327 (1 OR, 1 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/312 HEARING AIDS, ELECTRICAL
 381/322 .Specified casing or housing
 381/327 ..Spectacle

2 381/60 (0 OR, 2 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/58 MONITORING/MEASURING OF AUDIO DEVICES
 381/60 .Testing of hearing aids

2 600/28 (0 OR, 2 XR)
 Class 600 : SURGERY
 600/26 SLEEP OR RELAXATION INDUCING THERAPY (e.g.,
 direct nerve stimulation, hypnosis, analg
 esia)
 600/27 .Sensory (e.g., visual, audio, tactile, etc.)
 600/28 ..Audio (e.g., heartbeat, "white noise", etc.)

2 704/205 (1 OR, 1 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
 COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/201 .For storage or transmission
 704/205 ..Frequency

10037766_CLSTITLES

2 704/271 (1 OR, 1 XR)

Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION

704/200 SPEECH SIGNAL PROCESSING

704/270 .Application

704/271 ..Handicap aid

10037766_EAST

(5253285
5928160
4271331
4282474
4303915
4414431
4476353
4489330
4812821
4860361
4904078
4959847
4987383
5012508
5189265
5196829
5274358
5293008
5313522
5325417
5327499
5406953
5479560
5524150
5541677
5570944
5576690
5604812
5604786
5636285
5710806
5804109
5835611
5839109
5859916
5889874
5918203
5933476
5940475
5943395
6002749
6005536
6008720
6014345
6023194
6078650
6089346
6093144

10037766_EAST

6144750
6181801).pn.
(6201875
6202785
6205190
6229901
6233336
6240193
3618698
3573397
3566858
3699670
3692264
3684830
3658150
3923119
3918550
3914551
3912998
3905131
3890474
3882285
3828142
3823491
3787643
4003264
4031320).pn.

10037766_LIST

PLUS Search Results for S/N 10037766, Searched May 10, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5253285	6201875
5928160	6202785
4271331	6205190
4282474	6229901
4303915	6233336
4414431	6240193
4476353	3618698
4489330	3573397
4812821	3566858
4860361	3699670
4904078	3692264
4959847	3684830
4987383	3658150
5012508	3923119
5189265	3918550
5196829	3914551
5274358	3912998
5293008	3905131
5313522	3890474
5325417	3882285
5327499	3828142
5406953	3823491
5479560	3787643
5524150	4003264
5541677	4031320
5570944	
5576690	
5604812	
5604786	
5636285	
5710806	
5804109	
5835611	
5839109	
5859916	
5889874	
5918203	

10037766_LIST

5933476
5940475
5943395
6002749
6005536
6008720
6014345
6023194
6078650
6089346
6093144
6144750
6181801

able 2
accompanying 2
accomplished 2
accordance 2
according 4
accordingly 2
acts 3
actual 1
advance 1
advances 1
advantage 1
advantages 1
aft 4
aid 69
aids 8
all 2
also 1
alternatively 1
amplification 3
amplified 1
amplifier 1
amplifies 1
and 21
another 1
any 1
apparatus 2
apparent 1
application 3
approaches 2
appropriate 9
are 12
areas 1
art 1
as 6
aspects 1
at 14
att 1
aud 6
automated 2
available 1
back 1
background 1
based 8
basically 1
be 9
become 1
been 1
below 1

benefit 1
 block 1
 brief 1
 briefly 1
 broadly 1
 but 1
 by 5
 can 4
 canal 1
 case 3
 claims 1
 client 4
 cocktail 1
 code 17
 compensated 1
 complex 2
 complicated 1
 compresses 1
 compressive 2
 computer 19
 conjunction 2
 connecting 2
 contents 1
 convenient 2
 conveniently 1
 conventionally 1
 conversing 1
 could 1
 coupling 2
 cross 1
 currently 1
 damaged 1
 data 7
 db 1
 delicacy 1
 description 4
 designate 1
 designed 1
 detailed 2
 detect 1
 detection 1
 determining 3
 development 3
 device 53
 deviceabstract 1
 devices 12
 diagram 3
 diagrams 1

digital 4
direction 1
disclosed 1
disclosureimproved 1
discussed 1
dkt 6
downloading 2
drawings 3
due 1
ear 1
either 1
electronically 2
elements 1
embodiment 10
embodiments 1
endure 1
entitled 1
environment 2
example 3
existing 11
extremely 1
fact 1
fashion 2
field 1
fields 2
fig 3
figs 1
filed 1
filter 1
fitted 1
fixed 1
flow 3
following 2
for 47
from 21
functionality 2
functioning 1
functions 1
further 1
handle 1
has 1
have 1
hearing 93
heavy 1
help 1
hereby 1
however 3
human 1

identify 1
 illustrate 1
 impaired 2
 impairment 1
 implementation 1
 implemented 1
 improved 2
 in 19
 include 1
 includes 7
 including 3
 incorporated 1
 information 14
 inherent 1
 installed 3
 installing 2
 introduces 1
 invention 23
 involvement 1
 is 16
 largely 2
 least 9
 level 1
 like 2
 local 2
 located 1
 location 1
 locations 2
 loss 1
 loud 2
 machine 6
 main 1
 manufactured 1
 manufacturer 1
 manufacturers 2
 means 6
 medium 3
 method 3
 more 1
 must 1
 nearing 1
 need 2
 network 10
 new 2
 no 8
 noise 1
 noisy 1
 normal 1

normally 2
 not 1
 now 1
 numerals 1
 numerous 1
 occurred 1
 october 1
 of 43
 old 1
 older 1
 on 10
 once 1
 one 8
 only 1
 operates 2
 operation 2
 opposed 1
 or 8
 other 3
 over 3
 particularly 3
 party 1
 people 1
 perceive 1
 perhaps 1
 peripheral 1
 person 2
 placed 1
 poo 6
 practical 1
 prefer 1
 present 1
 presents 1
 pressure 1
 principles 1
 problem 1
 process 1
 processing 4
 program 17
 programmed 1
 programming 9
 progress 1
 promptly 1
 protocol 1
 provisional 1
 purchase 1
 purchased 1
 purposes 1

put 1
 quite 1
 range 1
 rapid 2
 re 1
 readable 3
 readily 1
 reading 4
 receiving 10
 recent 3
 reduction 1
 reference 3
 related 2
 relates 2
 remarkably 1
 remote 9
 remotely 4
 request 3
 requesting 11
 research 1
 resources 4
 returned 1
 ri 1
 scheme 1
 selectively 1
 sell 1
 sending 5
 server 16
 several 1
 side 3
 signal 1
 signals 1
 simply 1
 since 1
 soft 2
 software 20
 sound 11
 source 2
 speaking 1
 speech 1
 stored 2
 structural 1
 subsequently 2
 such 1
 summary 1
 system 13
 systems 2
 take 2

taken 1
techniques 1
technological 3
that 3
the 135
their 1
theis 1
then 2
there 2
thereafter 5
thereby 2
these 3
they 3
this 4
three 2
through 6
thus 3
tne 1
to 42
today 2
typically 1
understood 1
unfortunately 1
update 2
updating 1
upgrade 26
upgraded 17
upgrading 12
upgradinga 1
useful 2
user 1
usually 1
versions 1
very 4
via 4
way 1
ways 1
whereby 5
wherein 1
which 4
will 2
with 9
without 1
years 1